



Project: Alaska Copper Works

Inspection Date: 7/22/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 100 Effluent n/a The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent n/a Effluent n/a The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent n/a Effluent n/a

Carbon Filter Pressures (Lead) Influent n/a Effluent n/a The carbon filters should be backflushed if differential pressure > 8 psi

Carbon Filter Pressures (Lag) Influent n/a Effluent n/a

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~60 gal
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified with handheld meters



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.96</u>	Turbidity	<u>5.84</u>	NTU
Bag Filter Influent	pH	<u>7.27</u>	Turbidity	<u>6.85</u>	NTU
Bag Filter Effluent	pH	<u>7.11</u>	Turbidity	<u>5.23</u>	NTU
Carbon Filter Influent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Carbon Filter Effluent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

Filters replaced 7/19/19.

Not enough water in tanks to run through carbon or collect bag pressures.

Recirculated water to raise pH.

David DuBois

Technician

Project Lead Tech

Title

7/22/19

Date

Submit